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Patent and Trademark Office**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/233,805 03/10/98 LEARNED III A

IM32/0715
ADDISON WOODBURY LEARNED III
P O BOX 164
N ABINGTON MA 02351

EXAMINER

SPISICH, M

ART UNIT	PAPER NUMBER
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1744

DATE MAILED: 07/15/99

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary



Case 1744

Application No.
09/233,805

Applicant(s)

Learned III

Examiner
Mark Spisich

Group Art Unit
1744



☐ Responsive to communication(s) filed on 6 AUG 99

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-6 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1-6 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☒ The drawing(s) filed on 10 Mar 1998 is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☒ The specification is objected to by the Examiner.

☒ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been
☐ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

LOIS M. DAHLQUIST, Notary Public
My Commission Expires August 3, 2001

Lois M. Dahlquist
NOTARY

8/6/99

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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DETAILED ACTION

Priority

1. This application was filed as a "continuation" of earlier filed application serial number 08/778,087, filed 2 January 1997. Although the filing of the present application as a "continuing" application is acceptable, this application is a "continuation-in-part" rather than a continuation in that it introduces into it subject matter which was not present in the earlier application at the time it was filed.

2. Applicant has not complied with one or more conditions for receiving the benefit of an earlier filing date under 35 U.S.C. 120 as follows:

An application in which the benefits of an earlier application are desired must contain a specific reference to the prior application(s) in the first sentence of the specification (37 CFR 1.78). The reference to the earlier application should be as follows:

CROSS-REFERENCE TO RELATED APPLICATION

This application is a continuation-in-part of application serial number 08/778,087, filed 2 January 1997, now abandoned.

Oath/Declaration

3. A new oath or declaration is required because of the informalities noted below. It would appear that the second page of the declaration was not submitted (the part which includes the citizenship, residence, p.o. address, execution date and the reference to any early filed application by serial number and filing date). The wording of an oath or declaration cannot be amended. If

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the wording is not correct or if all of the required affirmations have not been made or if it has not been properly subscribed to, a new oath or declaration is required. The new oath or declaration must properly identify the application of which it is to form a part, preferably by application number and filing date in the body of the oath or declaration. In other words, instead of checking on page 1 of the declaration "is attached hereto" check the box(es) which identify the filing date and serial number of this application. See MPEP §§ 602.01 and 602.02.

4. The oath or declaration is defective. A new oath or declaration in compliance with 37 CFR 1.67(a) identifying this application by application number and filing date is required. See MPEP §§ 602.01 and 602.02.

The oath or declaration is defective because:

It does not state that the person making the oath or declaration in a continuation-in-part application filed under the conditions specified in 35 U.S.C. 120 which discloses and claims subject matter in addition to that disclosed in the prior copending application, acknowledges the duty to disclose to the Office all information known to the person to be material to patentability as defined in 37 CFR 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. This underlined text should be included in the portion of

the declaration pertaining to the "duty to disclose".

The clause regarding "willful false statements ..." required by 37 CFR 1.68 has been omitted.

It does not identify the citizenship of each inventor.

It does not identify the city and state or foreign country of residence of each inventor.

It was not executed in accordance with either 37 CFR 1.66 or 1.68.

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Drawings

5. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: #37 as per page 1 (line 12). Correction is required.

6. The drawings are objected to because (1) "FIG 1" on sheet 1 should be deleted because the figures thereon are already referred to as FIGS. 1A and 1B, respectively; (2) the discontinuities in the tube (figs 2 and the two figures in fig. 3) and the handle in figure 2A should simply be interconnected with dashed lines; (3) the reference numerals in the figures should include lead lines directed to the element to which it identifies; (4) the addition of the dashed lines as pointed out above would also eliminate the need to use more than one of the same reference number in the same figure (this actually adds some confusion) and (5) the third drawing sheet is clearly two views of this embodiment and these views should be labeled separately and described in the "brief description of the drawings" accordingly. Correction is required.

7. Applicant is required to submit a proposed drawing correction in response to this Office Action. Any proposal by the applicant for amendment of the drawings to cure defects must consist of two parts:

- a) A *separate* letter to the Draftsman in accordance with MPEP § 608.02(r); and
- b) A print or pen-and-ink sketch showing changes in *red ink* in accordance with MPEP § 608.02(v).

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IMPORTANT NOTE: The filing of new formal drawings to correct the noted defect may be deferred until the application is allowed by the examiner, but the print or pen-and-ink sketch with proposed corrections shown in red ink is required in response to this Office Action, and *may not be deferred*.

Specification

8. This application does not contain an abstract of the disclosure as required by 37 CFR 1.72(b). An abstract on a separate sheet is required.
9. The disclosure is objected to because of the following informalities: (1) "Figure 1" (page 1, line 18) is not correct in that there is instead a "FIG. 1A" and a "FIG. 1B"; (2) the same is true with "Figure 2" (page 1, line 18) and (3) the description of "figure 3" (page 1, line 20) should be amended to reflect the required drawing change mentioned above..

Appropriate correction is required.

Claim Objections

10. Claim 1 is objected to because of the following informalities: it includes more than one sentence. Appropriate correction is required.

Claim Rejections - 35 USC § 112

11. Claims 1-6 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The present invention pertains to a paint brush handle extension which is particularly suitable for two-handed use. The extension handle includes a means to secure a

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conventional paint brush thereto and to retain the brush in a fixed angular relationship with respect thereto. Claim 1 essentially recites a “means”. It is not clear whether this refers to a single means or a plurality of different means. Even so, both of these scenarios would render the claim indefinite. A single means claim, i.e. where a means recitation does not appear in combination with another recited element or means, is subject to an undue breadth rejection under 35 USC 112-1st paragraph. *In re Hyatt*, 708 F.2d 712,714-715,218 USPQ 195,197 (Fed. Cir. 1983). Also, there are only so many elements or components of the present invention. Given the fact that each recitation of a “means plus function” should, if proper, refer to a different structure, is indefinite in that it is unclear what is meant to be recited in claim 1. It would seem that claim 1 attempts to recite what the device does and not what it is. “Means” recitations are alternative ways of recited structure and not ways of reciting the manner of using the device. Claim 2 is also functional and defines no particular structure. “Nested end” (claim 3, line 1) lacks antecedent. The body of claim 4 never recited any structure of the paint brush handle to support the recitation of “hole” (claim 4, line 3). “Tension band” (claim 4, line 4) lacks antecedent. Words such as “embodiment” should not be present in a claim. Also, the claim is vague as to any structural relationship between the three recited elements therein. “Line of sight” (claim 6, line 1) and “cut line” (claim 6, line 2) lack antecedent. Also, the reference to the elements “leg 1 and leg 2) is improper. Applicant should review the claims for any additional informalities.

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Claim Rejections - 35 USC § 102

12. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

13. Claims 1-3, 5 and 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Pryor (USP 3,737,187). The patent to Pryor discloses an extension handle (10) for a conventional paint brush (11) and wherein there is a first embodiment that retains the brush at a fixed acute angle with respect to the handle (17) axis and a second embodiment that retains the brush at a fixed zero degree angle with respect to the handle axis. The handle (17) is perfectly capable of being gripped with two hands at the same time.

Allowable Subject Matter

14. The following claims, drafted by the examiner and considered to distinguish patentably over the art of record in this application, are presented to applicant for consideration. **NOTE:** If these claims are acceptable, it is suggested that applicant instruct that original claims 1-6 be canceled and that applicant add by amendment the following claims.

Claim 7. (New) An extension handle for use with a paint brush including a plurality of bristles extending from a distal end of an elongated brush handle with the brush handle including a hole in a proximal end thereof, the extension handle comprising:

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an elongated tubular handle having a length sufficient for grasping by both hands of the user, said tubular handle including an elongated slot at a distal end thereof which defines an expandable hollow portion for receiving the brush handle of the paint brush, the expandable hollow portion being substantially aligned with the longitudinal axis of the tubular handle;

means, spaced from the distal end of tubular handle adjacent an end of said elongated slot, for passing through the hole in the end of the paint brush handle and securing the paint brush handle with respect to the tubular handle;

a flexible band between the distal end of the tubular handle and the means for passing through the hole in the paint brush handle for compressing the walls of the expandable hollow portion of the tubular handle against the handle of the paint brush to further secure it to the tubular extension handle; and

wherein the handle of the paint brush and the tubular extension handle are fixedly maintained in a substantially aligned orientation.

Claim 8. (New) An extension handle for use with a paint brush including a plurality of bristles extending from a distal end of an elongated brush handle with the brush handle including a hole in a proximal end thereof, the extension handle comprising:

an elongated tubular handle having a length sufficient for grasping by both hands of the user, an elongated brush supporting portion extending from a distal end of the tubular handle which is oriented at a fixed acute angle with respect to the longitudinal axis of said tubular handle;

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means, spaced from the distal of the brush supporting portion, for passing through the hole in the end of the paint brush handle and securing the paint brush handle with respect to the tubular handle;

a flexible band between the distal end of the brush supporting portion and the means for passing through the hole in the paint brush handle for retaining the paint brush handle against the brush supporting portion to further secure it to the tubular extension handle; and

wherein the paint brush handle and the tubular extension handle are maintained at a fixed acute angle with respect to each other.

Conclusion

15. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The cited patents are pertinent to various paint brush holders with the patent to Lynde pertinent to an "integral" embodiment.

16. It is called to applicant's attention that if a communication is deposited with the U. S. Postal Service and mailed to the Office by First Class Mail before the reply time has expired, applicant may submit the reply with a "Certificate of Mailing" which merely asserts that the reply is being mailed on a given date. So mailed, before the period for reply has expired, the reply may be considered timely. A suggested format for a certificate follows:

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to:

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Assistant Commissioner for Patents

Washington, D.C. 20231

on _____ (date).

Typed or printed name of person signing this certificate

Signature _____

Date _____

17. Applicant should, in future communications, refer to the application by serial number (09/233,805), filing date (10 March 1998) and art unit (1744).

18. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Spisich whose telephone number is (703) 308-1271.

Mark Spisich

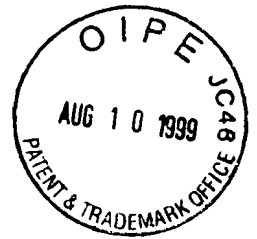
July 13, 1999



MARK SPISICH
PRIMARY EXAMINER
GROUP 3400

1700

CERTIFICATE OF MAILING



I HEREBY CERTIFY THAT THIS CORRESPONDENCE
IS BEING DEPOSITED WITH THE UNITED STATES
POSTAL SERVICE AS FIRST CLASS MAIL IN AN
ENVELOPE ADDRESSED TO:

MARK SPISICH, ART UNIT 1700
ASSISTANT COMMISSIONER OF PATENTS
WASHINGTON DC. 20231

ON 6AUG99 FOR # 09/233,805 UPDATES

Al... ..

A. W. LEARBS III

Box 164

MASSACHUSETTS

MA 02351

8/6/99

Lois M. Dahlquist
Notary

LOIS M. DAHLQUIST, Notary Public
My Commission Expires August 3, 2001

APPLICATION/CONTROL NUMBER 09/233,805

APPLICANT'S RESPONSE TO "DETAILED ACTION" BY

ART UNIT: 1744, M. SPISICH, DATE MAILED 07/15/99

SIR:

THANK YOU FOR YOUR ANALYSIS OF MY INVENTION;
PLEASE FIND THE ENCLOSED WORTHY AND WELL QUALIFIED
FOR THE PRIDE AND PROTECTION OF A U.S. PATENT.

1. THIS APPLICATION IS A "CONTINUATION IN PART"
OF MY FILING NUMBER 08/778,087 OF 2 JAN 97, NOW
ABANDONED. *Alm — Alm*

2. I SUBMIT THAT I HAVE SUBMITTED A FORM AS
FOLLOWS: I AM A CITIZEN OF THESE UNITED STATES,
RESIDING AT ¹¹² WAGES STREET, N. ABINGTON MASS 02351
WITH A MAILING ADDRESS OF P.O. BOX 164, N. ABINGTON
MASS 02351. THIS OATH DECLARATION IS TO IDENTIFY
ME AS INVENTOR OF THIS APPLICATION NUMBERED
09/233,805 WITH THE FILING DATE OF 03/10/98, A
CONTINUATION IN PART OF AN EARLIER FILING APPLICATION
SERIAL NUMBER 08/778,087 FILED 2 JAN 97.

THIS INFORMATION MAY HAVE BEEN INCLUDED ON PAGE 2
OF THE SUBMITTAL BUT APPEARS LOST. *Alm — Alm*

3. I HAVE BEEN OBTAINING QUOTATIONS FOR COMPONENTS
OF THE MANUFACTURE OF MY BRUSH DESIGNS FROM VARIOUS
SUPPLIERS ON A CONFIDENTIAL BASIS, AND HEREBY DISCLOSE
THAT INFORMATION AS IT MAY BE MATERIAL TO PATENTABILITY
DEFINED IN 37 CFR 1.56 WHICH OCCURRED BETWEEN THE
FILING DATE OF THE PRIOR APPLICATION AND THE NATIONAL
OR PCT INTERNATIONAL FILING DATE OF THE CONTINUATION
IN-PART APPLICATION. *Alm — Alm*

LOIS M. DAHLGREN, Patent Public
My Commission Expires August 3, 2001

8/6/99

Lois M. Dahlgren
Notary

4. I MAKE NO WILLFUL FALSE STATEMENTS AS THE SOLE
AUDITOR AND A US CITIZEN. *Alm*

DRAWINGS

5. CORRECTIONS ARE PROPOSED AS FOLLOWS

6. "FIG 1" DELETE

7. DRAWING CORRECTIONS ARE ATTACHED SEPARATELY
FOR DRAFTING CLARIFICATION, SEE CORRESPONDENCE
27 SEP 97, M. SPISCH GRP. 3400 - THIS NOTE IS
FILED TO CORRECT THE DEFECT ANY FURTHER REFERENCE
TO FIGURES CAN BE MADE WITH A COPY OF THE
FIGURE NOTING THE LOCATION OF THE DEFECT,
WITHOUT ANY CONFUSION OF FIGURE REFERRING.

Alm

8. ABSTRACT IS ATTACHED

9. FIGURE CONFUSION IS CONFIRMED FROM PRIOR
SUBMITTALS, FOR CLARITY PLEASE PROVIDE COPY
OF THE FIGURE DEFECT.

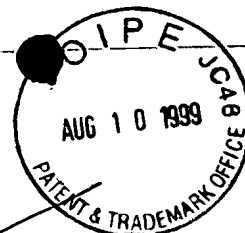
10-14. ORIGINAL CLAIMS 1-6 BE CANCELED AND THAT
THE FOLLOWING CLAIMS BE ADDED BY AMENDMENT?
SEE ATTACHED "CLAIM 7 (NEW)" "CLAIM 8 (NEW)"

Alm

8/6/99

Lois M. Dahlquist
Notary

LOIS M. DAHLQUIST, Notary Public
My Commission Expires August 3, 2001



ABSTRACT

A LIGHT WEIGHT EXTENSION HOLDER OF PAINTING BRUSH BRISTLES FOR HOUSE PAINTING A MAXIMUM AREA OF COVERAGE FROM EACH POSITION OF THE USER'S LOCATION, MINIMIZING THE USER'S PHYSICAL FORCE AND MOVEMENT TO DEPOSIT AND SPREAD THE PAINT-ON COATING, ISOKINETICALLY, WITH TWO HANDS.

Alm

8/6/99

Lois M. Dahlquist
Notary

LOIS M. DAHLQUIST, Notary Public
My Commission Expires August 3, 2001

CLAIM 7 (NEW)



AN EXTENSION HANDLE FOR USE WITH A PAINT BRUSH INCLUDING A PLURALITY OF BRISTLES EXTENDING FROM A DISTAL END OF AN ELONGATED BRUSH HANDLE WITH THE BRUSH HANDLE INCLUDING A HOLE IN A PROXIMAL END THEREOF, THE EXTENSION HANDLE COMPRISING:

AN ELONGATED TUBULAR HANDLE HAVING A LENGTH SUFFICIENT FOR GRASPING BY BOTH HANDS OF THE USER, SAID TUBULAR HANDLE INCLUDING AN ELONGATED SLOT AT A DISTAL END THEREOF WHICH AN EXPANDABLE FELLOW PORTION BEING SUBSTANTIALLY ALIGNED WITH THE LONGITUDINAL AXIS OF THE TUBULAR HANDLE;

MEANS, ~~SPACED FROM~~ THE DISTAL END OF TUBULAR HANDLE ADJACENT AN END OF SAID ELONGATED SLOT, FOR PASSING THROUGH THE HOLE IN THE END OF THE PAINT BRUSH HANDLE AND SECURING THE PAINT BRUSH HANDLE WITH RESPECT TO THE TUBULAR HANDLE;

A FLEXIBLE BAND BETWEEN THE DISTAL END OF THE TUBULAR HANDLE AND THE MEANS FOR PASSING THROUGH THE HOLE IN THE PAINT BRUSH HANDLE FOR COMPRESSING THE WALLS OF THE EXPANDABLE FELLOW ~~TO BE~~ PORTION OF THE TUBULAR HANDLE AGAINST THE HANDLE OF THE PAINT BRUSH TO FURTHER SECURE IT TO THE TUBULAR EXTENSION HANDLE; AND

WHEREIN THE HANDLE OF THE PAINT BRUSH AND THE TUBULAR EXTENSION HANDLE ARE FIXEDLY MAINTAINED IN A SUBSTANTIALLY ALIGNED ORIENTATION.

his m Dahlquist
NOTARY

8/6/99

SAH

(CLAIM 2 (INVENTOR))

AN EXTENSION HANDLE FOR USE WITH A PAINT BRUSH INCLUDING A PLURALITY OF BRISTLES EXTENDING FROM A DISTAL END OF AN ELONGATED BRUSH HANDLE WITH THE BRUSH HANDLE INCLUDING A HOLE IN A PROXIMAL END THEREOF, THE EXTENSION HANDLE COMPRISING:

A² AN ELONGATED TUBULAR HANDLE HAVING A LENGTH SUFFICIENT FOR GRASPING BY BOTH HANDS OF THE USER, AN ELONGATED BRUSH SUPPORTING PORTION EXTENDING FROM A DISTAL END OF THE TUBULAR HANDLE WHICH IS ORIENTED AT A FIXED ACUTE ANGLE WITH RESPECT TO THE LONGITUDINAL AXIS OF SAID TUBULAR HANDLE;

MEANS, SPACED FROM THE DISTAL OF THE BRUSH SUPPORTING PORTION, FOR PASSING THROUGH THE HOLE IN THE END OF THE PAINT BRUSH ~~PROXIMAL~~ HANDLE WITH RESPECT TO THE TUBULAR HANDLE;

A FLEXIBLE BAND BETWEEN THE DISTAL END OF THE BRUSH SUPPORTING PORTION AND THE MEANS FOR PASSING THROUGH THE HOLE IN THE PAINT BRUSH HANDLE FOR RETAINING THE PAINT BRUSH HANDLE AGAINST THE BRUSH SUPPORTING PORTION TO FURTHER SECURE IT TO THE TUBULAR EXTENSION HANDLE; AND

WHEREIN THE PAINT BRUSH HANDLE AND THE EXTENSION HANDLE ARE MAINTAINED AT A FIXED ACUTE ANGLE WITH RESPECT TO EACH OTHER.

Lois M. Dahlquist
Notary

8/6/99

LOIS M. DAHLQUIST, Notary Public
My Commission Expires August 3, 2001

"CLAIM 9 (NEW)"

AN EXTENDED HANDLE FOR USE ON A PAINT BRUSH
INCLUDING A PLURALITY OF BRISTLES EXTENDING
FROM A DISTAL END AS AN ELONGATED BRUSH HANDLE
INCLUDING A HOLE IN THE PROXIMAL END THEREOF,
SAID ELONGATED HANDLE HAVING A LENGTH SUFFICIENT
FOR GRASPING BY BOTH HANDS OF THE USER,
WHEREIN THE HANDLE IS FIXEDLY MAINTAINED IN
A SUBSTANTIALLY ALIGNED ORIENTATION WITH THE
HOLDER OF THE PLURALITY OF BRISTLES,
WHEREIN A CLEAR LINE OF SIGHT IS MAINTAINED
TO THE BRISTLE / WORK SURFACE INTERFACE.

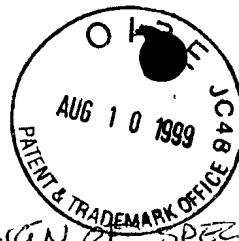
A 2

Lois M. Dahlquist
Notary

8/6/99

LOIS M. DAHLQUIST, Notary Public
My Commission Expires August 3, 2001

CONCLUSION



15. THE PATENT OF LYNDE IS A DESIGN OF SPECIFIC DIMENSIONS FOR THE PAINTING OF WALLS BEHIND CAST IRON RADIATORS, COMMONLY KNOWN IN THE PAINTING TRADE AS THE "RADIATOR BRUSH"

WHILE IT IS EXTINCT AND NOT USEFUL IN THE ISOKINETIC SENSE OF DAILY PAINTING, IT IS NOT CONSIDERED PERTINENT. FURTHER IT'S SIZE WAS DESIGNED FOR ONLY ONE HAND USE.

MY INVENTION FINDS FULL APPLICATION IN ALL PAINTING, THE TWO HAND POSITIONING MAKES EASY WORK OF INTERIOR PAINTING OF CROSS-BUCK DOORS, WINDOW TRIM, BASEBOARDS AS WELL AS "CUTTING IN" TO A LINE OF ANOTHER COLOR.

FURTHER THERE IS LITTLE OR REDUCED BENDING, LAMENING AND BODY POSITIONING FOR PAINTING CORNERS, BASEBOARD AND WALL EDGES AT FLOOR, CEILING, AND TRIM. HAVING UTILITY.

PERHAPS THERE IS, SOME WAY ^{*} TO PROTECT MY INVENTION FROM INFRINGERS WHILE I GET IT TO MARKET? THANK YOU FOR ANY ATTENTION TO THIS MATTER.

Lois M. Dahlquist 8/6/99
Notary

* CLAIM 9 (NEW) ?

LOIS M. DAHLQUIST, Notary Public
My Commission Expires August 3, 2001

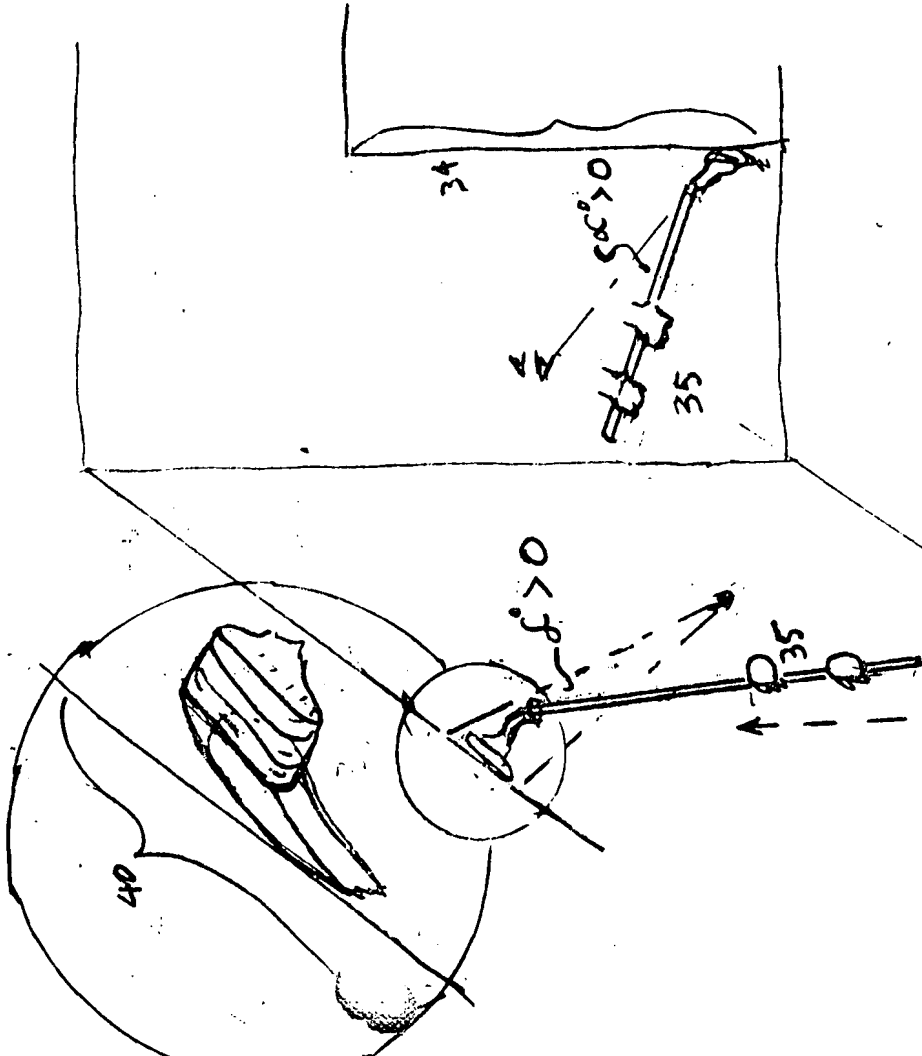


FIG. 1A

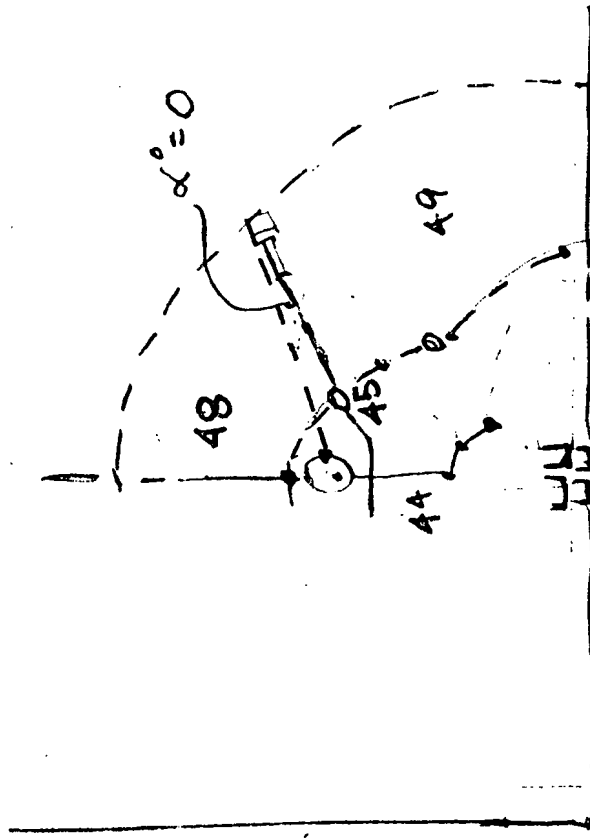


FIG. 1B

Approved: ~~FIG. 1~~
 Drawing, Change 0333805-031098
 PER Ex. Am. 9/22/88

09233805-031098

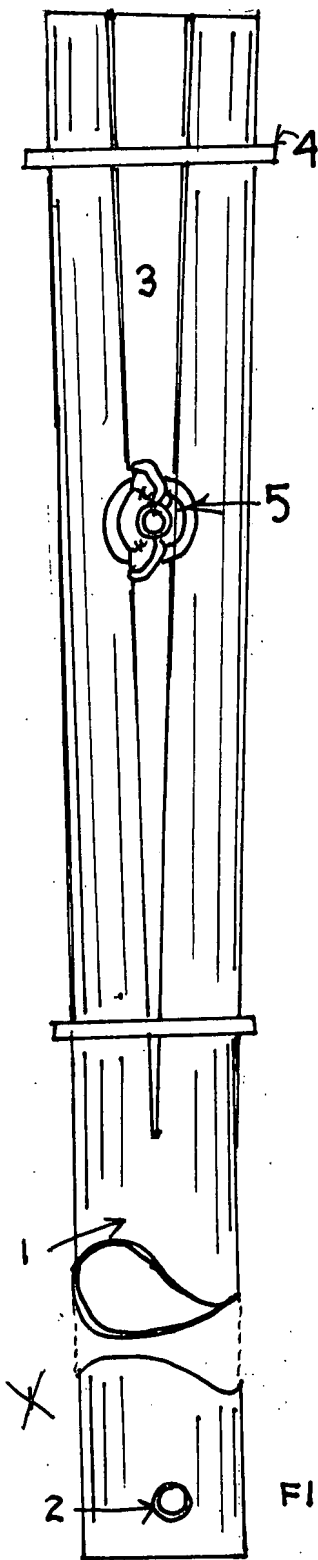


FIG. 2

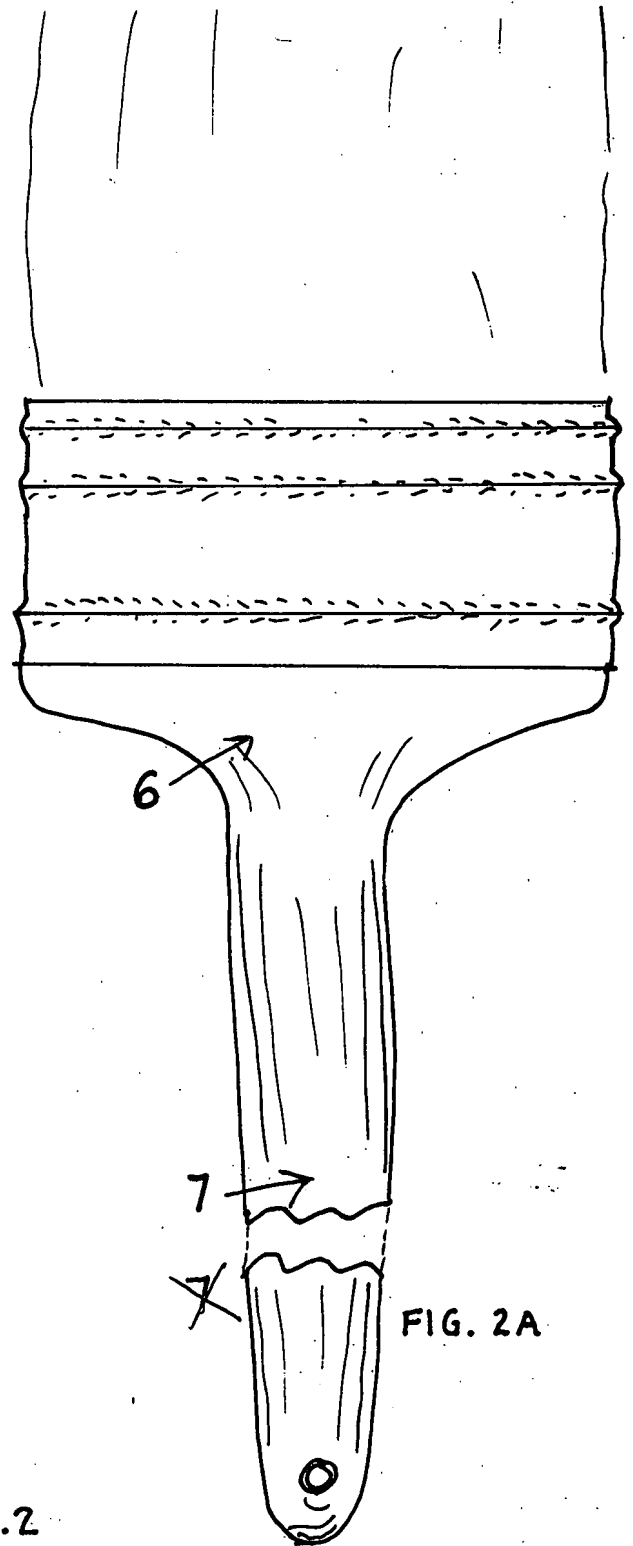


FIG. 2A

ADDICW

Approved DRAWING CHANGES
PER EXMR'S AMDT.
9/22/95

RECEIVED 50855260

FIG. 3A

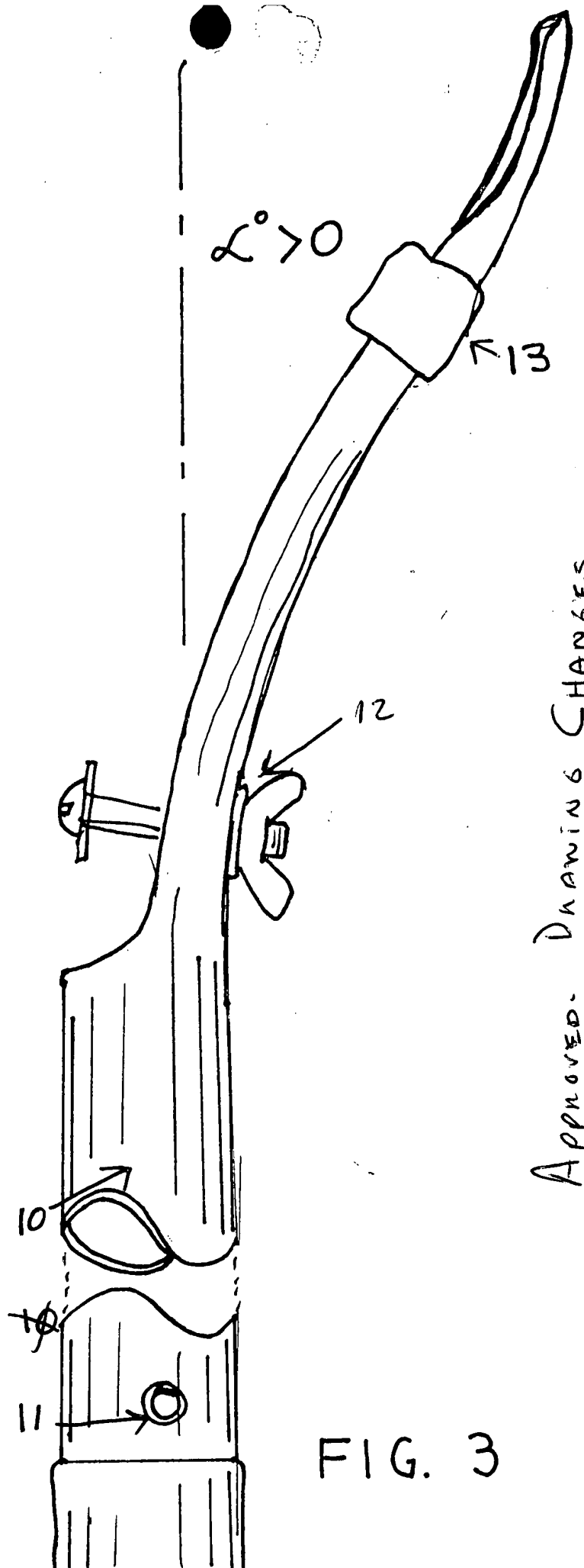
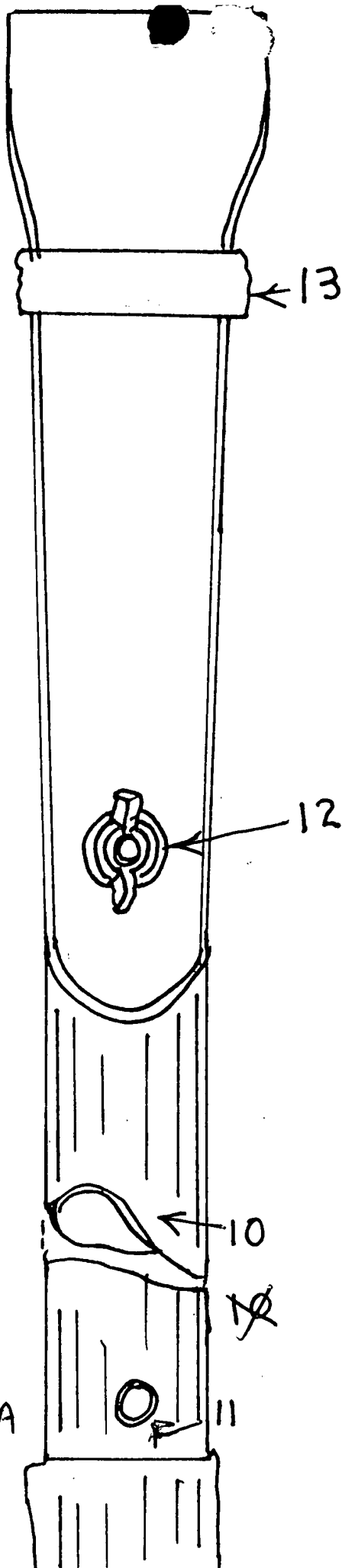


FIG. 3

Approved. Drawing Changes.
PEN EXMR'S AMOT. 9/22/99